

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A capsule filling machine for producing hard gelatin capsules of a type with lid and body containing a quantity of pharmaceutical material, the machine comprising a rotary turret or carousel which defines at least one capsule handling line and on which the following are positioned, one after the other: at least one station for feeding empty capsules; at least one opening station where capsule bodies are separated from lids to form two separate rows of capsule bodies and lids; at least one station for feeding and dosing the quantities of pharmaceutical material to be filled into the capsule bodies; and at least one station for closing the capsules by placing a lid over each respective body; wherein the machine further comprises ~~means for detecting and volumetrically checking the quantity of pharmaceutical material filled into each capsule body, the detecting and checking means comprising~~ volume transducer element configured to generate a signal representative of a height of the pharmaceutical material placed in a dosing chamber, said signal being elaborated by a control and processing unit configured to calculate a volume of the quantity of pharmaceutical material into the dosing chamber and to be ~~for measuring a volume of said quantities before they are~~ inserted into the capsule bodies.

2. (Cancelled)

3. (Previously Presented) The machine according to claim 1, wherein the volume transducer element comprises elements for detecting the quantities of

pharmaceutical material.

4. (Previously Presented) The machine according to claim 15, wherein each chamber is designed to be closed at the bottom by reciprocating contact elements moving towards and away from the carousel.

5. (Cancelled)

6. (Withdrawn) A method for producing hard gelatin capsules (C) of the type with lid (3) and body (2) containing a quantity (1) of pharmaceutical material, the method comprising the steps of; feeding closed empty capsules (C) to an opening station where the capsule bodies (2) are separated from the lids (3) to form two separate rows of capsule bodies (2) and lids (3); filling each capsule body (2) with a predetermined quantity (1) of pharmaceutical material; and closing the capsule bodies (2), filled with the quantities (1), by placing the lids (3) over the respective bodies (2); the method being characterised in that it further comprises a step of detecting and volumetrically checking the quantity (1) of pharmaceutical material, this step being performed before each quantity (1) of pharmaceutical material is inserted into the respective capsule body (2).

7. (Withdrawn) The method according to claim 6, characterised in that the detecting and checking step comprises the step of holding said quantities of pharmaceutical material inside dosing compartments or chambers (4) of predetermined volume and of measuring the height (H1) of the quantities (1) inside the chambers (4) themselves.

8. (Withdrawn) The method according to claim 7, characterised in that the measurement of the height (H1) is performed by linear transducer means (5).

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Withdrawn) A capsule filling machine for producing hard gelatin capsules, each capsule having a lid and a body containing a quantity of pharmaceutical material, the machine comprising a rotary turret or carousel which defines at least one capsule handling line and on which the following are positioned, one after the other: at least one station for feeding empty capsules; at least one opening station where capsule bodies are separated from lids to form two separate rows of capsule bodies and lids; at least one station for feeding and dosing the quantities of pharmaceutical material to be filled into the capsule bodies; and at least one station for closing the capsules by placing a lid over each respective body; wherein the machine further comprises a transducer element for measuring a volume of said quantities before they are inserted into the capsule bodies, wherein the transducer element comprises a sliding detector element

entering in a respective dosing chamber associated with the carousel to measure a height reached by the quantity of pharmaceutical material in the dosing chamber.

14. (Currently Amended) A capsule filling machine according to claim 1 for producing hard gelatin capsules of a type with lid and body containing a quantity of pharmaceutical material, the machine comprising a rotary turret or carousel which defines at least one capsule handling line and on which the following are positioned, one after the other: at least one station for feeding empty capsules; at least one opening station where capsule bodies are separated from lids to form two separate rows of capsule bodies and lids; at least one station for feeding and dosing the quantities of pharmaceutical material to be filled into the capsule bodies; and at least one station for closing the capsules by placing a lid over each respective body; wherein the machine further comprises a transducer element for measuring a volume of said quantities before they are inserted into the capsule bodies, wherein the transducer element comprises a sliding detector element driven vertically and designed to enter ~~[[a]]~~ the dosing chamber associated with the carousel and designed to measure the height reached by the quantity of pharmaceutical material in the respective dosing chamber.

15. (Currently Amended) A capsule filling machine according to claim 1, comprising for producing hard gelatin capsules of a type with lid and body containing a quantity of pharmaceutical material, the machine comprising a rotary turret or carousel which defines at least one capsule handling line and on which the following are positioned, one after the other: at least one station for feeding empty capsules; at least one opening

~~station where capsule bodies are separated from lids to form two separate rows of capsule bodies and lids; at least one station for feeding and dosing the quantities of pharmaceutical material to be filled into the capsule bodies; and at least one station for closing the capsules by placing a lid over each respective body; wherein the machine further comprises means for detecting and volumetrically checking the quantity of pharmaceutical material filled into each capsule body, the detecting and checking means comprising volume transducer element for measuring a volume of said quantities before they are inserted into the capsule bodies; wherein the checking means also comprises a dose checking disc coupled with the carousel; the disc having made in it at least one series of dosing chambers of predetermined size, inside each of which the quantity of pharmaceutical material is temporarily placed; the volume transducer element being designed to operate in the chambers to measure the volume of the quantities of pharmaceutical material before they are inserted into the respective capsule bodies.~~